

C L A I M S

1. A recording/playback apparatus for recording and playing back main record data containing information of at least one of an image and voice by use of a recordable/playable recording medium, characterized by comprising:

trigger supplying means for supplying a trigger for registering an index image;

position information acquiring means for acquiring recording position information of an image which is now being recorded on said recording medium in response to a trigger supplied from said trigger supplying means; and

position recording means for recording the recording position information acquired by said position information acquiring means on said recording medium at the time of termination of the image recording.

2. A recording/playback apparatus according to claim 1, characterized in that said position information acquiring means includes detection means for detecting the start of I picture creation, first holding means for detecting and holding a sector number which is now being recorded on said recording medium in response to detection by said detection means, and second holding means for detecting and holding a cell number which is now to be defined, and said position recording means includes means for recording the sector

number and cell number held by said first and second holding means in an index information recording area on said recording medium. -

3. A recording/playback apparatus for recording
5 and playing back main record data containing information of at least one of an image and voice by use of a recordable/playable recording medium, characterized by comprising:

trigger supplying means for supplying a trigger
10 for registering an index image;

position information acquiring means for acquiring recording position information of an image which is now being recorded on said recording medium in response to a trigger supplied from said trigger supplying means;

15 creation means for creating index image data in response to a trigger supplied from said trigger supplying means; and

index image recording means for recording the recording position information acquired by said
20 position information acquiring means and the index image data created by said creation means on said recording medium at the time of termination of the image recording.

4. A recording/playback apparatus according
25 to claim 3, characterized in that said position information acquiring means includes means for detecting and holding a physical sector number which is

now being recorded and said index image recording means records the physical sector number acquired by said position information acquiring means and index image data in an area for managing the index image on said recording medium.

5 5. A recording/playback apparatus according to any one of claims 1 to 4, characterized in that said trigger supplying means supplies the trigger when recording of the main record data on said recording medium is started.

10 6. A recording/playback apparatus according to any one of claims 1 to 4, characterized in that said trigger supplying means supplies the trigger in response to a trigger from the user when the main record data is recorded on said recording medium.

15 7. A recording/playback apparatus for recording and playing back main record data containing information of at least one of an image and voice by use of a recordable/playable recording medium, characterized by comprising:

20 trigger supplying means for supplying a trigger for registering an index image;

 time information acquiring means for acquiring display time information of an image which is now being recorded in response to a trigger supplied from said trigger supplying means; and

 time information recording means for recording

the display time information acquired by said time information acquiring means on said recording medium at the time of termination of the image recording.

5 8. A recording/playback apparatus according to claim 7, characterized in that said time information acquiring means acquires the number of fields from a preset time point of the image which is now being recorded as the time information.

10 9. A recording/playback apparatus according to claim 7, characterized in that the image to be recorded is processed in the unit of program and said time information acquiring means acquires the number of fields from a starting point of the program which is now to be defined as the time information.

15 10. A recordable/playable recording medium on which main record data containing information of at least one of an image and voice is recorded, characterized by comprising:

20 an index information area for recording record position information of an image selected from the main record data; and

an index image recording area for recording image data of an image selected from the main record data as an index image.

25 11. A recording medium according to claim 10, characterized in that said index information area has a backup of said index information area and an anchor

point containing start and end addresses of said index information area and start and end addresses of said backup.

5 12. A recording medium according to claim 11, characterized in that the anchor pointers of the same type are provided before and after said index information area.

10 13. A recording medium according to claim 10, characterized in that said index information area is constructed by a plurality of files and an amount of data used of each index image and each file is an integer multiple of an error correction code block capacity.